

**University of Virginia Health System**  
**Department of Pharmacy Services**  
**PGY2 Solid Organ Transplant Pharmacy Residency Program**

The University of Virginia Health System (UVAHS) offers an American Society of Health-System Pharmacists (ASHP) accredited PGY2-Solid Organ Transplantation (SOT) Pharmacy Residency program.

**Residency Purpose Statement**

PGY2 solid organ transplant pharmacy residency programs build on Doctor of Pharmacy (Pharm.D.) education and PGY1 pharmacy residency programs to contribute to the development of clinical pharmacists in solid organ transplantation. PGY2 residencies provide residents with opportunities to function independently as practitioners by conceptualizing and integrating accumulated experience and knowledge and incorporating both into the provision of patient care or other advanced practice settings. Residents who successfully complete an accredited PGY2 pharmacy residency are prepared for advanced patient care, academic, or other specialized positions, along with board certification, if available.

## UNIVERSITY OF VIRGINIA HEALTH SYSTEM

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### RESIDENCY PROGRAM

**Type/Duration:** 12 month/full-time residency  
**No. of Positions:** 1  
**Application Deadline:** 1/2/2019  
**Starting Date:** July 1  
**Estimated Stipend:** \$53,130  
**Interview required:** Yes

#### **Special Features:**

This residency prepares residents with the experience, pharmaceutical knowledge, and clinical skills to provide comprehensive care for adult liver, kidney, pancreas, heart and lung organ transplant patients, as well as pediatric heart, liver, and kidney transplantation. Residents are provided opportunities in the delivery of high-quality patient-centered care, medication use policy, leadership, practice, clinical research project management, health care provider and trainee education, and medical emergency management. Program graduates will be qualified for advanced patient care, academic, or other specialized positions in solid organ transplantation, along with board certification if available.

#### **Fringe Benefits:**

Medical, dental, and vision insurance, 8 holidays and 12 vacation days, 14 sick days, professional leave days, educational and travel allowances

#### **Special Requirements for Acceptance:**

Pharm.D degree, ASHP-accredited PGY1 residency, Virginia licensure by September 1, transcripts, curriculum vitae, letter of intent, three letters of recommendation

## **TRAINING SITE**

<b>Type:</b>	Hospital
<b>Owner/Affiliate:</b>	State
<b>Model Type:</b>	Teaching
<b>Tax Status:</b>	Non-Profit
<b>Number of Professional Staff:</b>	200
<b>Number of Non-Professional Staff:</b>	180
<b>Total Beds:</b>	600
<b>Average Daily Census:</b>	550

### **Special Features:**

The University of Virginia Health System consists of the Medical Center and approximately 50 acquired practice sites. The Medical Center is a 600-bed facility serving a primarily rural population in Central Virginia. It features electronic medical record, computerized physician order entry, barcode medication administration, extensive ambulatory care services, a level one trauma center, an organ transplant program, regional burn and spinal cord injury centers, and other innovative health services. The Department of Pharmacy Services provides decentralized dispensing and clinical services. It has extensive automation, technology, and a state-of-the-art IV clean room. The Department operates pharmacist-run outpatient clinics and numerous outpatient dispensing pharmacies. In addition, the Department has nine ASHP-accredited residency programs and serves as a training site for the experiential education of pharmacy students from Virginia Schools of Pharmacy.

The Charles O. Strickler Transplant Center at the University of Virginia Health System performed 223 transplants across all programs for the previous fiscal year and is currently on pace to perform 270 transplants for the current fiscal year. The distribution of transplants in the previous fiscal year is as follows: 107 kidney, 65 liver, 4 pancreas or kidney/pancreas, 20 heart, 26 lung, and 1 auto-islet cell transplants. Although the majority of patients are adults, there is a growing program in pediatric liver, kidney, and heart transplantation. In addition to an active living donor kidney transplant program, the transplant center also has an active living donor liver transplant program.

## **PROGRAM STRUCTURE**

The 2018-2019 UVAHS Pharmacy Residency will begin on July 1, 2018 through June 30, 2019. Mandatory housestaff orientation will take place in June 2018. During the month of July, residents will rotate through various areas of the Pharmacy Department and develop skills required for the provision of pharmacy services.-Residents will undergo competency evaluations in select areas such as the Cardiac Arrest (Code 12) program, and the electronic medical record and pharmacy information system. Residents who have early committed as PGY1 residents will have a modified orientation experience.

Clinical rotations are generally month long in duration and begin in August after completing orientation. Pharmacy residency policies can be referenced on the UVA pharmacy website at:

[https://www.medicalcenter.virginia.edu/pharmacy/residency\\_info/residency-policy-manual-1](https://www.medicalcenter.virginia.edu/pharmacy/residency_info/residency-policy-manual-1)

### **PGY2-Solid Organ Transplant Pharmacy Residency Rotations:**

#### **a) Required Learning Experiences (month long rotations unless marked longitudinal)**

1. Month long experiences (dayshift Monday-Friday, at least 10 hours per day)
  - i. Orientation (non-DPC)
  - ii. Transplant- abdominal I (liver/kidney/pancreas)- direct patient care (DPC)
  - iii. Transplant- heart/lung I- DPC
  - iv. Transplant- abdominal II (kidney/pancreas focus)- DPC
  - v. Transplant- abdominal II (liver focus)- DPC
  - vi. Transplant- heart II- DPC
  - vii. Transplant- lung II- DPC
  - viii. Transplant- heart/lung III- DPC
  - ix. Transplant- abdominal III (kidney/pancreas/liver)- DPC
  - x. Solid Organ Transplant clinic (focus: liver and lung)- DPC
  - xi. Transplant- immunocompromised infectious diseases- DPC
2. Longitudinal
  - i. Transplant-pediatrics (kidney, heart, liver)-longitudinal DPC\*\* (11 month experience starting on July 30<sup>th</sup>, 2018)
  - ii. Research project (12 month experience)
  - iii. Quality Project (12 month experience)
  - iv. Service (12 month experience)
  - v. Practice Management/Committees (12 month experience)

\*\*Due to the unpredictable nature of transplantation and the small number of patients per year, pediatric transplant will be a longitudinal experience. It will be the expectation that the resident follows any inpatient lung/heart/pediatric transplant patients while on core transplant rotations in collaboration with the PGY2-pediatric pharmacy resident. Coverage Monday-Friday, hours will vary based on patient load.

#### **b) Mini rotation experiences**

1. Immunology lab (~3days)
2. Transplant quality (~1-2 days)

#### **c) Mini-Rotations and Research Days**

During November and December, residents will have research days to allow completion of research project in time for early abstract deadline for the American Transplant Congress or other appropriate transplant meeting. Mini-rotations will occur as availability arises throughout the year.

### **Research Activities**

- a) The PGY2 transplant pharmacy resident is required to complete a major research project and submit a final report in manuscript style. The final report must be approved by the Project Advisor and Program Director. The research project will be initiated early in the residency year with a goal of abstract submission in early December to the American Transplant Congress or equivalent scientific meeting. If accepted, the poster/oral presentation will be presented during the appropriate transplant conference in 2019. The resident may also present their research as a poster during the UVA Department of Surgery Research Scholar's Day.
- b) Additionally, during the year, the resident will complete a Quality project on selected therapeutic agent(s). Completed projects will be presented at the appropriate pharmacy or transplant committee with associated recommendations for quality improvement at the University of Virginia Health System.

### **Presentation Requirements**

- a) Each resident is responsible for presenting one seminar, one case conference, and one technician talk during the course of the residency year. The seminar is ACPE-accredited to provide continuing education (CE) to pharmacists and the tech talk is ACPE-accredited for technician CE.
- b) Additional required presentations for the PGY2 transplant pharmacy resident include: 2 Friday transplant conferences (audience of transplant MDs, NPs, RNs), the biannual abdominal transplant nursing core curriculum (immunology and pharmacology lectures), and 2 acute care nursing unit inservices

### **Professional Leave for Meeting Attendance**

- a. The PGY2 transplant pharmacy residents will have the option to attend ASHP Annual Midyear Clinical Meeting. Additionally, the resident will be expected to attend the American Society of Transplantation Fellows Symposium, as well as the American Transplant Congress or equivalent scientific meeting.
- b. Residents are given a flat travel stipend to assist with expenses associated with meeting attendance. Expenses incurred beyond the stipend are the responsibility of the resident.

### **Service Component**

- a) Residents provide service in the distributive areas of the pharmacy every fourth weekend and one 4 hour evening shift per week (total of 408 hours). Over the course of the year, the PGY2 transplant resident will work to provide decentralized transplant clinical pharmacy coverage on weekends and clinical support on the weekday evening shift.
- b) Participation in the service component provides necessary training and allows the residents to meet the intent of the ASHP residency standard.

### **Benefits (Vacation/ Interview days/ Holidays)**

- a) Each resident receives 12 days to be used for personal leave or vacation. In order to avoid conflicts with rotation training experiences, the maximum amount of time off permitted in a rotation is the total of 20% of the experience. Vacation may not be used for terminal leave. All residents are expected to be at work during the last week of the residency.

- b) Each resident also receives up to 5 days to be used for interviews.
- c. Residents are provided up to 14 calendar days for sick leave. Those sick for 2 or more consecutive days must present a physician's note to the Program Director/ Coordinator. In the case of extended illness or disability, please refer to the Leave or Request for Absence Policy.
- d. Residents will work one major holiday (Thanksgiving and the day after, Christmas Eve and Christmas Day, or New Year's Eve and New Year's Day) and the associated weekend. Residents are off the following holidays: Independence Day, Labor Day, Memorial Day, and the other two major holidays.

### **Certification**

- a) Residents are required to complete American Heart Association Advanced Cardiac Life Support training and certification. This training is offered through the Medical Center at no charge to the resident. Pharmacy residents participate in ACLS training during the orientation period and respond to cardiopulmonary (code 12) emergencies during the residency year.
- b) Additionally, PGY2 residents have the opportunity to participate in the Certificate in Public Health Sciences for Resident and Fellow Physicians (<http://www.medicine.virginia.edu/clinical/departments/phs/poper/CertPrgm-page>). Those interested in this opportunity must indicate this interest to the Program Director and apply through the GME office in the late spring

### **Teaching**

- a) Residents will have the opportunity to earn a Teaching and Learning Certificate through the partnership with the Virginia Commonwealth University (VCU) School of Pharmacy.
- b) Residents will also have the opportunity to interact with pharmacy students completing their third and fourth professional years at VCU School of Pharmacy-UVA Division Satellite Campus. The Department of Pharmacy also serves as a rotation site for introductory and advanced pharmacy practice experiences for Virginia schools of pharmacy and select other programs across the nation. Residents will have a variety of teaching opportunities that include didactic experiences and precepting students on clinical rotations.

### **Advisors**

- a) Each resident is matched with an advisor for the duration of the residency year in addition to the residency program director. Matches are based on the career goals, specialty practice area interests, or other interests of the resident. Advisors serve as resources and mentors to the residents.
- b) Residents will also have a primary preceptor for each of their required presentations as well as their quality improvement/ MUE and residency projects. Residents and the program director identify appropriate preceptors for these requirements based on the topic.